

ASIsafe SlimLine Compact module SC17.5F digital safety 2 F-DI/2 DQ, IP20 2 x input for mechanical sensors 2 x standard output 24 V DC Output supply can be switched Screw terminals Overall width 17.5 mm



<b>Product designation</b>	Slimline Compact I/O module for use in the control cabinet
<b>Design of the product</b>	AS-i SC17.5F, 2F-DI/2DQ
<b>General technical data</b>	
<b>Protection class IP</b>	IP20
<b>Design of the slave type</b>	standard slave
<b>AS interface slave profile</b>	S-7.B.F
<b>ID1 code</b>	F; Factory setting, changeable
<b>Operating voltage acc. to AS Interface specification</b>	18 ... 31.6 V
<b>Product function suitable for AS-i Power24V</b>	Yes
<b>Protocol is supported AS-Interface protocol</b>	Yes
<b>Consumed current from profile conductors of the AS-Interface</b>	
• at 30 V maximum	270 mA
• at 24 V with AS-i Power24V maximum	270 mA
<b>Type of address setting of AS-i slaves</b>	via front addressing socket
<b>Display version</b>	
• as status display of the inputs/outputs	LED yellow/red
• for AS Interface	LED green/red
<b>Reference code</b>	

<ul style="list-style-type: none"> <li>• acc. to DIN EN 61346-2</li> <li>• acc. to DIN 40719 extended according to IEC 204-2 acc. to IEC 750</li> </ul>	<p>K</p> <p>A</p>
<b>Shock resistance</b>	15g / 11 ms (modules) or 10g / 11 ms (modules with device connector)
<b>Other information</b>	An auxiliary external feed (AUX POWER) of between 20 and 30 V DC is necessary for supplying the output circuits. The auxiliary feed must comply with IEC 60990 (PELV), protection class III.

Digital Inputs	
<b>Number of digital inputs</b>	0
<b>Number of digital inputs safety-related</b>	2
<b>Type of input characteristic</b>	mechanical contacts

Digital Outputs	
<b>Number of digital outputs</b>	2
<b>Type of switching output</b>	PNP transistor
<b>Product function for power supply Reverse polarity protection</b>	Yes
<b>Property of the output Short-circuit proof</b>	Yes
<b>Product function</b>	Built-in induction protection
<b>Total current of digital outputs per module maximum</b>	0.5 A
<ul style="list-style-type: none"> <li>• Note</li> </ul>	0.2 A with supply via AS interface / 0.5 A with supply via Uaux
<b>Type of voltage supply at the outputs</b>	AS interface / U_AUX switchable
<b>Ampacity of the semiconductor output at DC-13 at 24 V</b>	0.5 A; 0.15 A with supply via AS interface / 0.5 A with supply via Uaux

Analog inputs	
<b>Number of analog inputs</b>	0

Analog outputs	
<b>Number of analog outputs</b>	0

Device connector	
<b>Ampacity of the interface to the device connector</b>	
<ul style="list-style-type: none"> <li>• for AS Interface</li> <li>• for external auxiliary voltage</li> </ul>	<p>2 A</p> <p>4 A</p>

Installation/ mounting/ dimensions	
<b>Mounting type</b>	screw and snap-on mounting
<b>Height</b>	100 mm
<b>Width</b>	17.5 mm
<b>Depth</b>	120 mm

Connections/ Terminals	
<b>Type of electrical connection</b>	
<ul style="list-style-type: none"> <li>• of the inputs and outputs</li> </ul>	Screw terminals
<b>Type of connectable conductor cross-sections</b>	

- solid
- finely stranded with core end processing
- finely stranded without core end processing
- at AWG conductors solid
- at AWG conductors stranded

1x (0.5 ... 2.5 mm<sup>2</sup>), 2x (1.0 ... 1.5 mm<sup>2</sup>)  
 1x (0.5 ... 2.5 mm<sup>2</sup>), 2x (0.5 ... 1 mm<sup>2</sup>)  
 Not permitted  
 1x (20 ... 14), 2x (18 ... 16)  
 Not permitted

## Certificates/ approvals

General Product Approval	EMC	Functional Safety/Safety of Machinery
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CSA



UL



RCM

[Miscellaneous](#)

[Type Examination Certificate](#)

Declaration of Conformity	Test Certificates	Marine / Shipping
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EG-Konf.

[Miscellaneous](#)

[Type Test Certificates/Test Report](#)



ABS



LRS



PRS

Marine / Shipping	other
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RINA



RMRS



DNVGL.COM/AF



ASi

[Confirmation](#)

## Further information

**Information- and Downloadcenter (Catalogs, Brochures,...)**

[www.siemens.com/sirius/catalogs](http://www.siemens.com/sirius/catalogs)

**Industry Mall (Online ordering system)**

<https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3RK1405-2BE00-2AA2>

**Cax online generator**

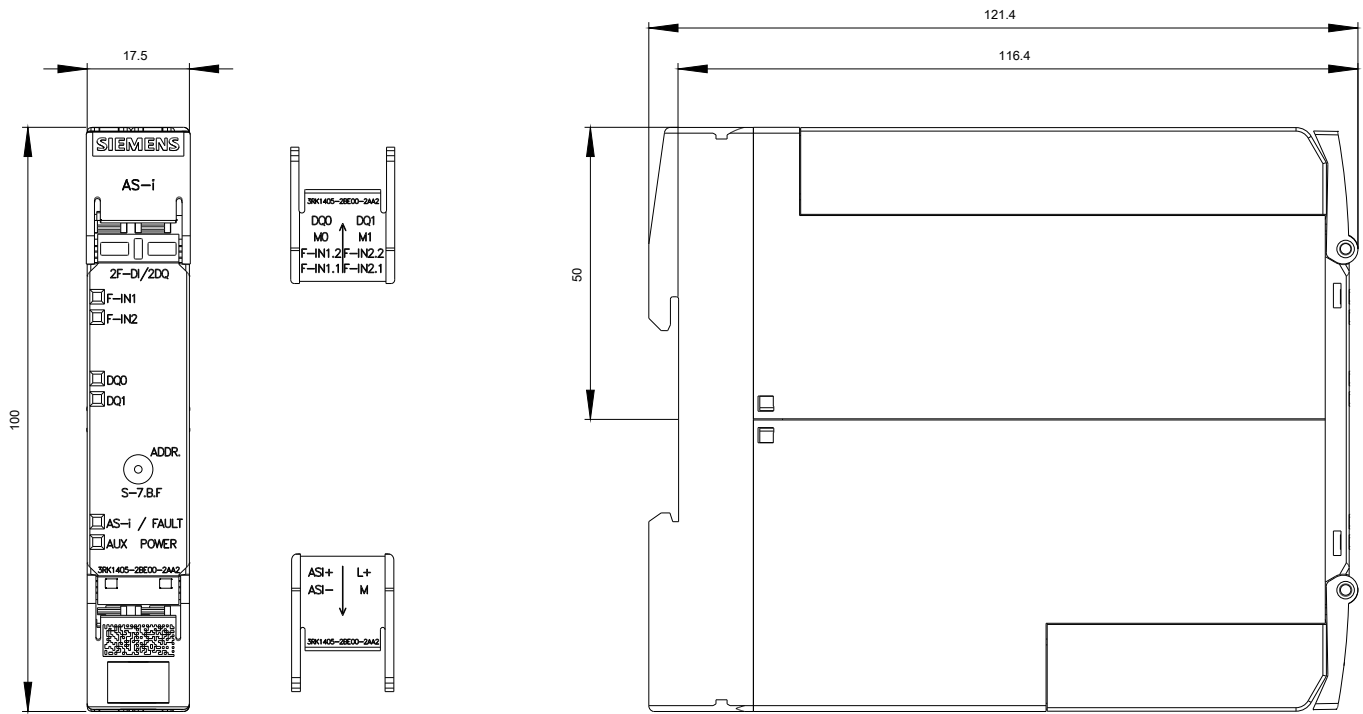
<http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RK1405-2BE00-2AA2>

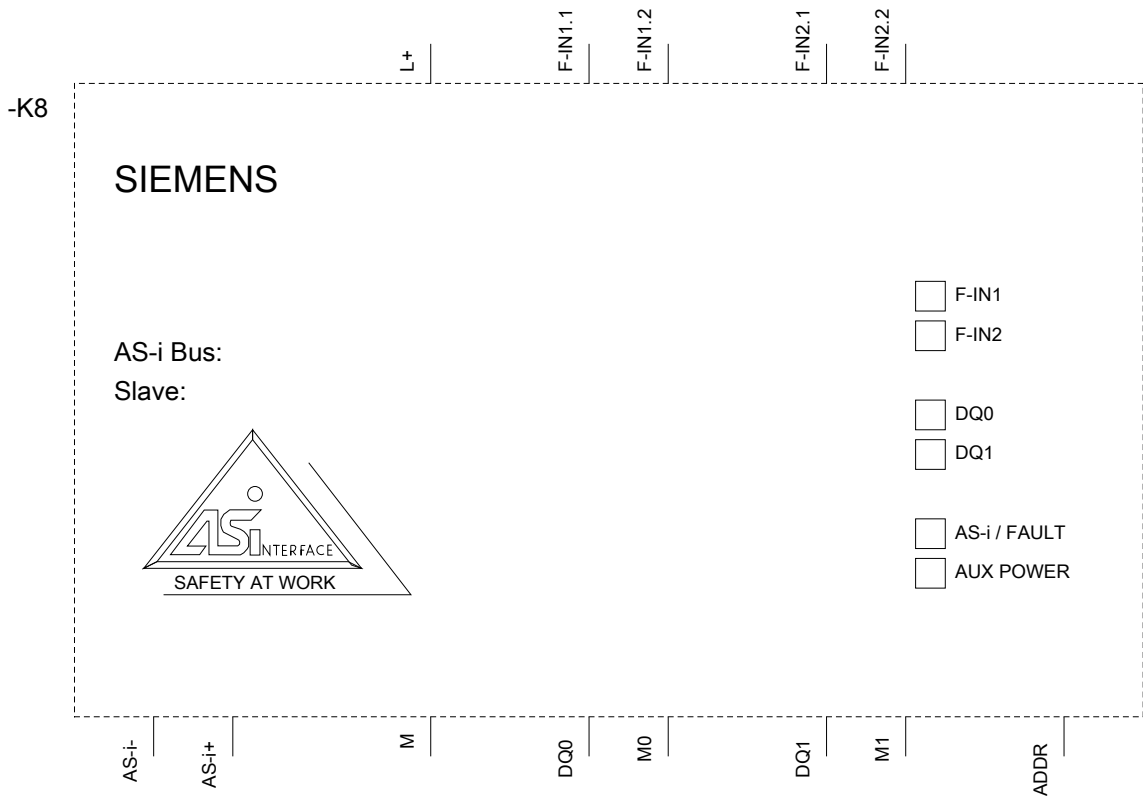
**Service&Support (Manuals, Certificates, Characteristics, FAQs,...)**

<https://support.industry.siemens.com/cs/ww/en/ps/3RK1405-2BE00-2AA2>

**Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...)**

[http://www.automation.siemens.com/bilddb/cax\\_de.aspx?mlfb=3RK1405-2BE00-2AA2&lang=en](http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RK1405-2BE00-2AA2&lang=en)





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